

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

FEB 4 1957

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: $33^{\circ} 54' 22''$ N.

Longitude: $2^{\text{h}} 21^{\text{m}} 52^{\text{s}}.7$ E.

JULY 1956

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METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.5	56.6	56.4	56.8	29.5	22.6	26.6	28.5	24.6	26.6
2	56.1	56.0	56.3	56.1	32.2	22.4	27.8	30.9	25.1	27.9
3	55.6	55.1	55.2	55.3	32.0	22.5	27.8	31.6	25.2	28.2
4	54.4	53.7	53.4	53.8	31.7	23.8	27.8	30.8	25.2	27.9
5	52.3	52.0	52.6	52.3	31.2	22.8	28.0	30.2	24.9	27.7
6	53.3	53.5	53.6	53.5	31.7	22.3	28.2	30.8	24.6	27.9
7	54.7	54.2	54.7	54.5	31.0	23.3	27.5	28.9	25.1	27.2
8	55.1	54.9	54.9	55.0	31.2	23.3	27.1	29.2	25.8	27.4
9	54.7	54.8	55.4	55.0	31.7	23.9	28.3	31.1	25.4	28.3
10	55.8	55.5	56.2	55.8	31.5	22.8	28.6	30.7	25.2	28.2
11	55.2	55.8	55.8	55.6	32.0	22.8	27.9	31.5	25.2	28.2
12	56.0	56.0	56.9	56.3	32.0	23.4	28.3	31.7	25.5	28.5
13	57.4	57.3	57.7	57.5	32.4	22.5	28.1	31.8	25.2	28.4
14	56.5	54.9	54.7	55.4	32.4	22.7	28.0	30.9	25.2	28.0
15	54.1	53.9	53.4	53.8	32.3	23.1	28.6	31.9	25.6	28.7
16	53.1	52.6	53.5	53.1	32.8	23.3	28.8	32.4	26.1	29.1
17	54.0	53.9	54.0	54.0	33.0	24.2	28.5	32.7	26.2	29.1
18	53.7	52.9	52.4	53.0	33.0	25.2	28.9	32.2	26.9	29.3
19	53.1	53.1	53.7	53.3	32.3	23.4	28.9	31.1	25.8	28.6
20	54.9	55.1	55.7	55.2	31.9	24.0	28.3	31.6	26.3	28.7
21	56.4	56.2	56.0	56.2	32.2	24.2	29.2	30.7	26.2	28.7
22	56.4	55.3	54.4	55.4	33.0	25.6	29.3	32.2	26.9	29.5
23	55.5	54.2	54.3	54.7	35.8	25.7	29.8	33.6	28.0	30.5
24	54.6	54.3	54.4	54.4	35.4	26.4	32.2	34.7	28.9	31.9
25	54.9	54.1	53.7	54.2	35.0	26.1	30.6	34.4	28.9	31.3
26	53.2	52.0	51.2	52.1	33.1	25.9	30.2	31.8	27.9	30.0
27	51.4	51.5	51.6	51.5	32.6	24.6	29.4	32.2	26.9	29.5
28	53.3	53.3	53.5	53.4	31.7	25.3	28.3	30.6	27.2	28.7
29	54.7	55.0	55.5	55.1	33.1	24.3	29.4	32.4	27.5	29.8
30	55.7	55.9	56.0	55.9	33.7	24.8	30.0	32.2	27.2	29.8
31	55.8	54.9	55.1	55.3	33.0	24.8	30.0	31.8	27.6	29.8
	54.82	54.47	54.59	54.63	32.46	23.94	28.72	31.52	26.20	28.82

Barometer, range for month 757.7 mm. — 751.2 mm.

„ 71-yr. average for month 755.46 mm.

Thermometer, range for month 35.8°C — 22.3°C

„ 71-yr. average for month 28.02°C

Rain total for month 0.00 mm.

„ 71-yrs average for month 0.44 mm.

„ Total, Sept. 1st. to end of month 900.29 mm.

„ 71-yrs. average. Sept. 1st. to end of month 891.85 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	24.6	24.0	23.7	24.1	71	62	78	70	12.1	253.0	
2	24.4	26.1	26.0	25.5	66	58	82	69	12.7	501.0	
3	25.8	27.9	27.3	27.0	70	60	86	72	12.7	594.0	
4	25.1	25.8	26.0	25.6	68	59	82	70	12.4	850.0	
5	23.7	24.8	23.9	24.1	64	59	57	66	12.2	695.0	
6	23.3	22.9	22.4	22.9	59	53	74	62	11.2	362.0	
7	22.1	22.8	23.3	22.7	62	57	75	65	10.5	166.0	
8	24.9	24.2	25.5	24.9	68	62	79	70	12.0	286.0	
9	25.4	25.3	26.2	25.6	65	56	80	67	12.4	703.0	
10	26.1	25.8	25.3	25.7	68	60	80	69	11.9	525.0	
11	23.7	24.9	23.3	24.0	64	53	75	64	11.0	414.0	
12	24.0	26.3	25.5	25.3	61	56	79	65	12.0	634.0	
13	25.4	25.6	24.6	25.2	65	55	79	66	12.5	549.0	
14	25.1	25.3	23.9	24.8	67	56	76	66	11.9	420.0	
15	22.6	24.9	24.8	24.1	60	53	76	63	12.1	293.0	
16	27.8	28.2	28.6	28.2	70	59	85	71	12.7	293.0	
17	27.5	27.4	28.6	27.8	73	58	85	72	12.3	578.0	
18	28.6	29.7	28.3	28.9	73	61	81	72	12.3	887.0	
19	25.7	27.6	26.2	26.5	64	61	80	68	11.5	364.0	
20	26.8	29.4	27.2	27.8	70	63	82	72	12.3	230.0	
21	24.9	24.3	24.4	24.5	64	57	73	65	12.6	188.0	
22	28.9	27.4	27.4	27.9	70	57	79	69	11.5	227.0	
23	32.3	32.9	31.0	32.1	77	64	83	75	10.8	212.0	
24	29.0	30.4	25.7	28.4	60	56	65	60	11.8	190.0	
25	32.7	33.7	33.2	33.2	74	62	84	73	11.9	301.0	
26	27.7	28.6	32.5	29.6	65	62	86	71	10.9	703.0	
27	28.9	27.4	26.0	27.4	70	57	74	67	9.1	311.0	
28	24.0	25.8	27.0	25.6	63	59	74	65	12.0	298.0	
29	28.9	25.9	22.1	25.6	70	54	62	62	12.5	171.0	
30	22.0	27.4	26.3	25.2	51	57	72	60	12.6	164.0	
31	25.5	27.9	25.8	26.4	60	61	70	64	12.0	240.0	
	26.04	25.79	26.19	26.34	66.2	58.3	77.8	67.4	11.88	406.52	0.00

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.

Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.

Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.51 m

Time of reading minus 2 hours equal G.C.T

71 year averages are for period, 1875-1945

JULY 1956

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6st	0	0	2.0	1nw	1nw	1n	light	
2	0	0	0	0.0	1sw	1w	1w	"	H.a.m
3	0	0	0	0.0	1sw	2sw	1sw	"	H.a.m. p.m. D.p.m
4	0	0	0	0.0	3sw	2sw	3sw	"	H.a.m.p.m.
5	0	3cu-st	0	1.0	3sw	3sw	1sw	"	H.a.m.p.m.
6	2cu-st	6st	1st	3.0	2sw	2sw	1sw	light	H. a.m p.m.
7	7cu-st	8cu-st	5st	6.7	1sw	1nw	1nw	"	H. a.m.p.m
8	0	5st	10st	5.0	1n	1n	1sw	"	H. a.m p. m
9	5st	0	0	1.7	2sw	2sw	1sw	"	H.p.m
10	4cu-st	5ci-st	0	3.0	2sw	3sw	1sw	"	H.a.m.p.m.
11	1cu-st	0	0	0.3	2sw	2sw	1w	light	H. a.m. p.m
12	0	0	0	0.0	2sw	2sw	1sw	"	H. a.m. p.m
13	0	0	0	0.0	3sw	1sw	1sw	"	H. a.m. p.m
14	0	0	5st	1.7	2sw	3w	1w	"	
15	0	5st	10st	5.0	1sw	1sw	1sw	"	H. p.m
16	1st	3st	10st	4.7	1sw	1w	1w	light	H.a.m. p.m. D.p.m.
17	0	0	0	0.0	1sw	1w	1sw	"	H. a.m. p.m
18	0	0	0	0.0	2sw	1sw	3sw	"	H.a.m. p.m
19	0	0	6st	2.0	3sw	2sw	1sw	"	H.a.m.p.m
20	7cu-st	0	0	2.3	1sw	1w	1w	"	H. a.m
21	0	0	0	0.0	1sw	1n	0	light	
22	0	0	0	0.0	1w	1n	1ne	"	
23	0	0	0	0.0	1e	1n	1w	"	H.a.m. p.m. D.p.m
24	0	0	0	0.0	1sw	1n	1ne	"	H.p.m
25	0	0	0	0.0	1w	1ne	1ne	"	H.a.m. p.m. D.p.m
26	0	0	0	0.0	1sw	2sw	1w	light	H.a.m. p.m. D.p.m
27	0	0	4st	1.3	2sw	2sw	1sw	"	H. a.m. p.m
28	0	0	0	0.0	1w	1n	1ne	"	
29	6st	0	0	2.0	1ne	1n	1ne	"	
30	0	8ci	0	2.7	1n	1n	1e	"	
31	0	0	0	0.0	1sw	1n	0	"	
mean				1.43					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew
W = strong wind ; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	1	1	0	0	23	3	1	0	31
14:30	9	1	0	0	0	14	5	2	0	31
20:30	1	5	1	0	0	14	7	1	2	31
Total	12	7	2	0	0	51	15	4	2	93

Number of days with rain 0, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.17